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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 87 51 43

Classification of the application (IPC):
B60W 40/107, B60W 40/109

Technical fields searched (IPC):
B60K, B60W, B60R

	DOCUMENTS CONSIDERED TO BE RELEVANT	
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y A	US 2007088488 A1 (REEVES MICHAEL J [US] ET AL) 19 April 2007 (2007-04-19) * paragraphs [0027], [0036], [0056], [0074] *	1, 10, 11 2-6, 12, 13
Y A	KR 101544421 B1 (QRONTECH CO LTD [KR]) 17 August 2015 (2015-08-17) * paragraphs [0001], [0002], [0029], [0051], [0057]; claims 2,3 *	1, 10, 11 2-6, 12, 13
A	JP 6027743 B2 (HORIBA LTD) 16 November 2016 (2016-11-16) * paragraphs [0042] - [0045] *	1-6, 10-13

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
Munich	20 September 2021	Rameau, Pascal

CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone
Y: particularly relevant if combined with another
   document of the same category
A: technological background
O: non-written disclosure
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P: intermediate document
T: theory or principle underlying the invention
E: earlier patent document, but published on, or after the filing date
D: document cited in the application
L: document cited for other reasons

SUPPLEMENTARY EUROPEAN SEARCH
REPORT

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LACK OF UNITIY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-6, 10-13
detecting an accident using acceleration statistics and documenting resulting damages / improve reliability of a vehicle black box

2. claims: 7-9, 14, 15
determining a distance between the own vehicle and an obstacle using dead reckoning for distances below a lower limit of a distance sensor measuring range / improve precision of a relative distance measurement

None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims: 1-6, 10-13

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
Munich	20 September 2021	Rameau, Pascal

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:

EP 19 87 51 43

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 20-09-2021

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2007088488	A1	19-04-2007	NONE		
KR 101544421	B1	17-08-2015	NONE		
JP 6027743	B2	16-11-2016	CN	103210433 A	17-07-2013
			JP	6027743 B2	16-11-2016
			JP	WO2012043388 A1	06-02-2014
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			WO	2012043388 A1	05-04-2012

For more details about this annex: see Official Journal of the European Patent Office, No. 12/82

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